



- ◆ H.264/MJPEG dual codec simultaneously
- ◆ 1/3" CMOS in 1600x1200 Resolution
- ◆ Dual streaming, multiple profiles
- ◆ Supports IP address filtering, 3GPP
- ◆ Digital I/O for External Sensor and Alarm
- ◆ Built-in IR Illuminator, Day & Night
- ◆ IP68 Vandal and Weather Proof

## SPECIFICATION

### Camera

Sensor	2 Mega Pixel 1/3" CMOS sensor
Scan Method	Progressive
Lens	3.7mm, F1.4
Number of Effective Pixel	1600 x 1200
Minimum Illumination	0.1 Lux (AT 30 IRE F1.4 Lens) / 0 Lux (IR on)
Dynamic Range	71db
SNR(max)	42.3db
White Balance	Auto
Gain Control	High/Middle/Low (3 steps selection)
Flicker Control	Off/50 Hz/60 Hz (3 steps selection)
Backlight Compensation	On/Off
Electronic Shutter	Auto/Slow Shutter (2X~16x / 5 steps selection)

### IR Illuminators

Wavelength Range	850nm
Distance	Up to 15M
IR Control	Auto by photo sensor, manual by CGI
Lifetime	Up to 20,000 hours

### Video

Video Compression	H2.64 BP and MJPEG Dual codec, dual streaming, Multiple profiles
Video framerate	Dual Streaming(1280x720/30FPS + 640x352/30FPS) real time
Resolution	H.264: 1600x1200, 640x480/320x240/160x128 1280x720, 640x352/320x176/192x112 MJPEG: 1600x1200, 640x480/320x240 1280x720, 640x352/320x176
Bitrate control	CBR and VBR, 128kbps ~ 4Mbps
Digital Zoom (PC side)	Yes, 1/2X, 2X, 4X
Image Rotation (PC side)	Mirror
DNR	Yes

### Audio

2-Way audio	Audio microphone, Audio Line-out
Compression	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate

### Network

Streaming Protocols	RTSP/RTP/UDP, RTSP/RTP/TCP, RTSP/RTP/HTTP tunneling, LAN Multicast, Multipart-JPEG
Supported Protocols	IPv4, HTTP, UDP, TCP ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP

### Processors and Memory

CPU	ARM9 SOC
Flash and Memory	16MB ROM, 256MB DDRII RAM

### IO and Connectors

LAN	RJ-45 connector x1
Audio	Internal MIC x 1

### Software

Browser	Internet Explorer 6.0 or above
Application Software	VMS-64 application software
OS supported	Microsoft Windows 2000, XP, Vista, Windows 7

### Features

User Setting
Date/ Time Setting
Video image control
Upload configuration
Dynamic DNS
Motion Detection
IP Filtering
Events
Triggered Actions
Blind Detection
Privacy Mask

### Open API

CGI commands to control camera
Media SDK to handle streaming

### Factory Default

Button
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### Power

Power	DC12V, DC12V/PoE, DC12V/AC24V(option)
Power consumption	8W

### Physical properties

Dimensions	144.3mm(Φ)x 115mm(H)
Weights	800g

### Operating Environment

Operating temperature	-20°C~ 50°C
Storage temperature	-30°C~ 60°C
Storage humidity	0% ~ 95% Non-condensing

### Approvals

CE, FCC Class A, RoHS
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## DIMENSION DIAGRAM

